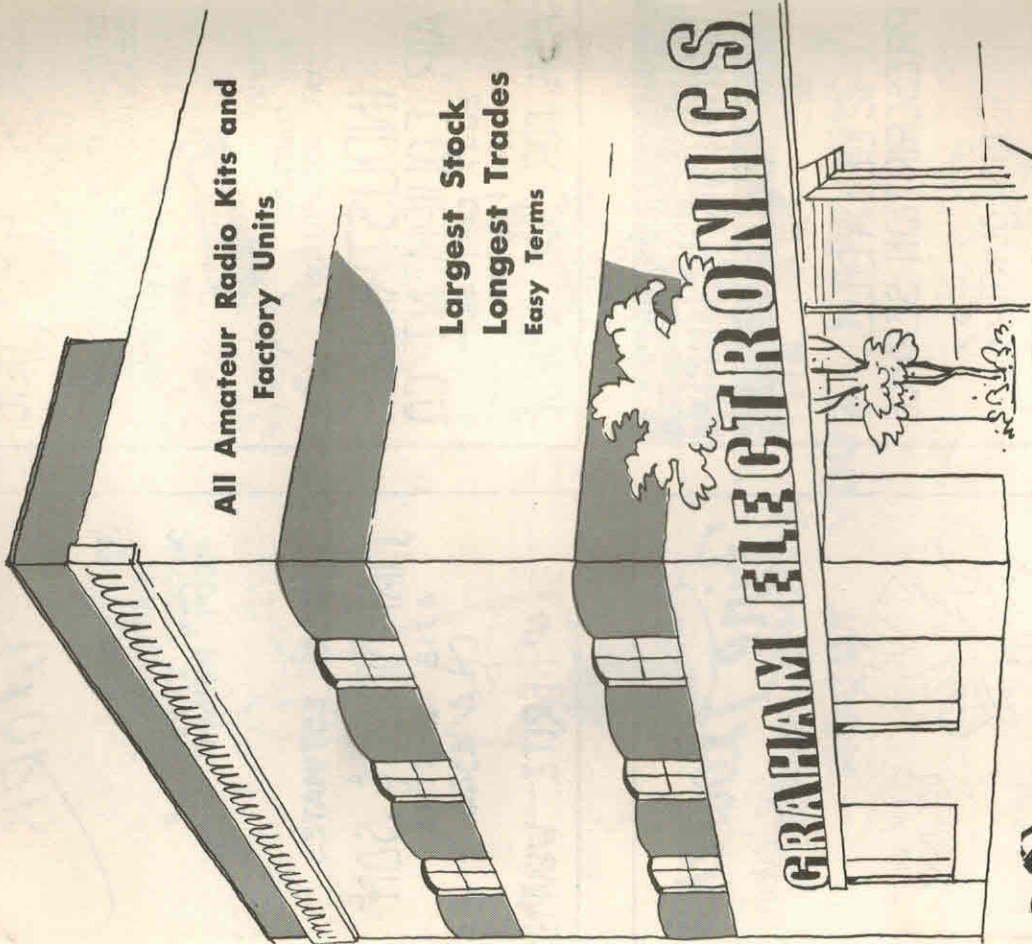


Your one stop

HAM HEADQUARTERS



All Amateur Radio Kits and
Factory Units

Largest Stock
Longest Trades
Easy Terms

GRAHAM
Electronics
SUPPLY, INC.

General Phone
ME 4-8486

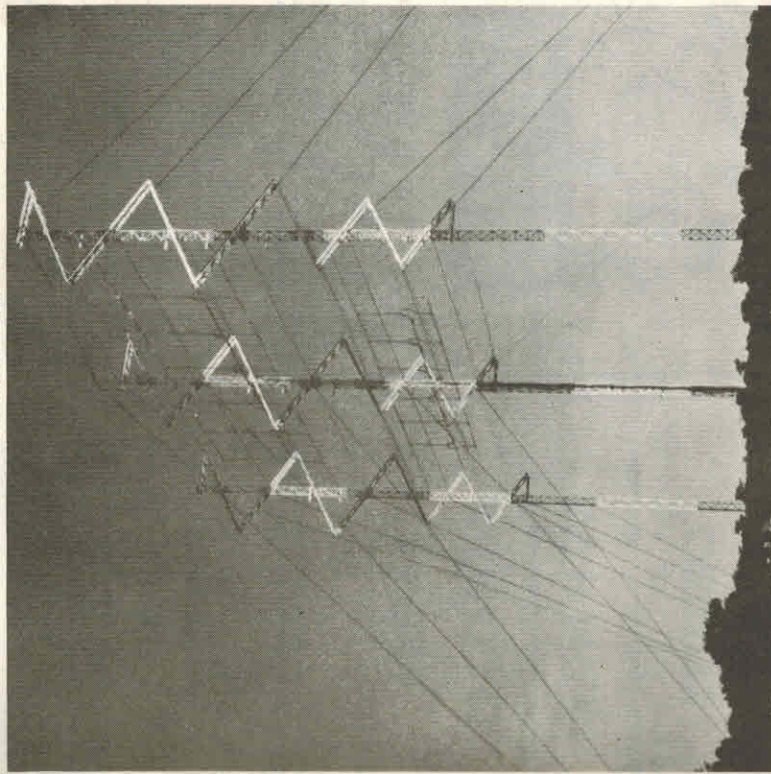
122 S. SENATE AVE. • INDIANAPOLIS.

PLENTY OF FREE PARKING

Ma cheswer

JANUARY 1961

PUBLISHED BY
INDIANAPOLIS RADIO CLUB, INC.
FOUNDED 1916



INDIANAPOLIS RADIO CLUB, INC.
2223 E. 74th Street
Indianapolis 20, Indiana

Robert Caskey W9DNQ
To: 2355 Stuart St.
Indianapolis, Ind.



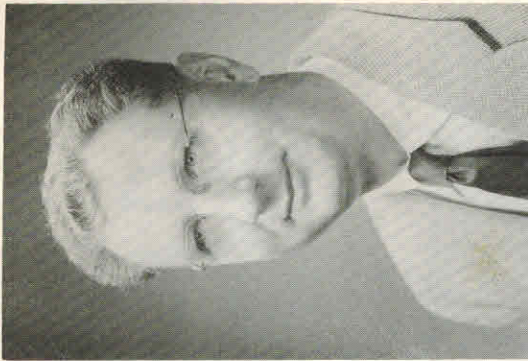
Return Postage Guaranteed
E-111 25/7 B

**LONG TRADES
EASY TERMS**

CONVENIENT PARKING
PERSONAL SERVICE

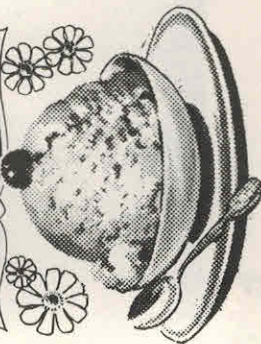
VAN SICKLE RADIO SUPPLY CO.

4131 N. KEYSTONE
open 9 to 6 daily



W9KJF
Owner was IRC
member in 1919

THE MODERN HOOSIER HOSTESS
SERVES WHOLESOME, TASTY
HOOSIER QUEEN ICE CREAM



FROZ-N-FOOD INC.
5905 N. College Avenue

CL 5 7030
CLIFF W9EKD

**KEN
AMICK**

W9NZA

**CASUALTY
INSURANCE**

AUTO - FIRE - HOMEOWNERS
CH 4-2293 Res. ME 4-8571

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., Indianapolis time.

AMA-CHEWER STAFF

EDITOR	Ben Marcel 1130 Birnam Woods Trail	K9IUH VI 5-6191
PUBLISHER	Pat Husk 2223 East 74th Street	K9EUQ CL 3-2220
MANAGER	Bert Brouse 6995 Barr Will Drive	K9JSF CL 5-9282
REPORTERS	R. Bundy W9MEK R. Caskey W9DNQ L. Easley K9QDR A. Pittman W9JJC	R. Osterhaus W9PSE E. Ward K9CRS H. Wolfla K9LZJ
PHOTOGRAPHER	Frank Fitch	W9EJW
TECHNICAL ADVISORS	Cliff Singer D. McVicker	W9SWD W9JZV
COVER STORY	Ron Williams	W9JVF

Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM SCHEDULE

February 24th Program To Be Announced
March 10th Business Meeting
March 24th Program To Be Announced

Coming events which are sure to be of interest to all I.R.C. members as well as every ham in the area is the annual "Swap & Shop" which will be rolling around before you know it. It is also the time to be digging out the "goodies" so that you will have a full stock to haul down to the event. The Chief Op. will also be rounding up the crew and gear for the Field Day event in early summer, so if you are of a mind to take part this year, it isn't to early to get your group together and plan the band, methods, etc.

* * * * *

PRESIDENTS FREQUENCY

Well, we've done it again, another old year gone, another new year here, and we hope for the better; another very fine past-president retiring to an easier chair to fill, and a new president elected to his new office by the Club members who have put their faith in his hands for the coming year. To all concerned, I hope I am capable of fulfilling the pas presidents shoes, as well as the many past presidents before him, who so graciously have brought the Club up to the high standards of membership, attendance, etc., it now holds. I will do the utmost of my ability to keep things on an even keel, and even more so if possible, during the coming year.

Many interesting things are in the wind for the meetings, which I am sure each and every one of you will not want to miss. At this early date it is almost impossible to schedule them but they will be listed in the Ama-Chewer as soon as arrangements can be made.

Again let me take this opportunity to thank each and every one of you for putting your hope and faith in me for the coming year, and feel free to contact me anytime and any place for any club activities you may have in mind for programs, forums, etc.

Well, here goes----wish me luck!!!

* * * * *

WHERE TO GET WHAT

If it's commercial "ready to go" gear that you want in the brand new class, or the next to new class you have a choice. Graham Electronics on S. Senate Ave. are authorized distributors for most of the manufacturers of Amateur gear, and they also will take used gear in on trade.

On the Northeast side, VanSickle Radio on Keystone Ave. also carries a complete line of Amateur gear and trading of used for new gear is part of the business here also.

You as the prospective customer benefit from this arrangement because you get the benefit of competition and both of these distributors are prepared to bid for your business.

If you like to homebrew your gear you have even a greater field to shop in. In addition to the above mentioned you can take your choice of the parts distributors who cater to the service business and the industrial electronic business. To mention some of the more prominent; Radio Dist. Co. on N. Senate Ave; Moore Electronics on N. Illinois; Brown Dist. Co. on N. College; Electronic Dist. Co. on E. Wash. St. and Meunier Radio On E. Michigan. These are some of the distributors who have been in business for some time and carry an adequate stock. Don't expect to find every item mentioned in build it yourself articles in the magazines at any one of the above outlets. If you "homebrew" you must be prepared to go shopping and don't be surprised if the man behind the counter tells you that the item will have to be ordered, as there is a good chance it is the first request for the item in ten years.

Surplus!! Here you have only four places to visit. Esse Radio with two locations, one on S. Meridian and the other around the corner on W. South St.; Circle Equipment Co. on the Madison Ave. Expressway and last but not least is Avex Surplus, also on the Madison Ave. Expressway.

With all the above outlets ready and willing to serve you, the Hams in this area are indeed fortunate to have such a wide choice of dealers and stocks.

I think the editor of this paper must of had some trouble finding some of the things that pour into the shack as this report was as the result of a special assignment that the Ed. handed out.

Regular Tech. Topics will be back next month.

W9JZV

* * * * *

NEW MEMBERS

During 1960 the IRC welcomed 33 members into active participation. Some of them were returning after holding prior memberships, while others were with us for the first time. To each of you, we are glad you are with us.

Gary Hughes	K9LNX	Jim McLean	N/C
Robt. Amunrud	K9QYG	Charles Seabee	K9GEE
Jesse Butler,	W9PCA	Everett Waites	K9OWP
Ted Tesmer	N/C	James Gifford	K9WSV
J. Robt. Hill	W9RSN	Charl Ryan	K9WST
Richard Kinnett	Kn9VIE	Ray Forbes, Jr.	W9HNS
William Moeller	K9UHW	Lyman Wolfla	K9LZJ
Elmer Taflinger	W9GRN	Cleo Clingerman	K9PDP
Gene Elliott	Kn9UBN	Ken Brabec	K9SGV
Curtis Hunter	K9LVS	Robert Keifer	K9JXH
Winston Hunter	K9DWT	Al Miller	W9AXM
Al Minnick	K9SUW	John Flick	K9GNC
George Lone	K9CBY	David O'Neill	K9VDE
W. R. Williams	W9ZEB	Henry McCain	N/C
Roscoe Clark	K9DXQ	James Rees	Kn9YKH
Dr. R.S. Henry	W9WUC	Gary Hinderliter	K9OLH
Mark Shaw	N/C		

* * * * *

IRC MEMBER MAKES THE PAPER

Zionsville Times
December 1st

E. J. Ward Named Member
of Exclusive Amateur Radio Club

Edwin J. Ward 110 S. 2nd. Street has been awarded membership in the DX Century Club, exclusive society of Amateur Radio operators who have made two-way short wave radio contacts with at least 100 countries and colonies of the world.

Using the call letters K9CRS, assigned by the Federal Communications Commission, he talks regularly from the instrument packed room of his home with "Hams" all over the earth--a fraternity of 250,000 men and women.

Tens of thousands of American hams have contacted the "easy" countries where there are a large number of amateurs, such as Canada, Germany, or Australia. But the ones like Thailand, Uzbek, Tibet and the Sultanate of Oman are another matter, requiring a high degree of proficiency in long distance communication.

(continued on page 5)

The American Radio Relay League, national amateur society, sponsors the DXCC award for basic self-training in radio operating under difficult conditions.

Proficiency in radio operating becomes a special asset during natural disasters, such as flood or tornadoes and during war time when the armed forces must have large numbers of trained communicators in a hurry.

* * * * *

ATTENTION ALL AMATEURS

I would like to suggest to all amateurs and particularly those who have been on the air for some time, to take another look at the amateur regulations. Many violations of regulations occur because some have forgotten just what the regulations cover. Of particular importance are those regulations which are covered by international agreements. Just to refresh your memory and bring you up to date there are still four countries with which amateur communications are forbidden. They are XW8, Laos; XU and XV, Cambodia, XV/3W, Viet Nam and PK, Indonesia.

You may handle messages on behalf of third parties only with the following foreign countries, as of Nov. 15, 1960: Canada, Chile, Costa Rica, Cuba, Ecuador, Haiti, Honduras, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru and Venezuela.

Any type message with other than those listed is strictly prohibited. We may freely handle messages with all W & K call prefixes with one exception and that is the KA prefixes of Japan which are also banned.

Also if you are going to operate mobile or portable, a review of the portable identification is in order, and they are very clearly explained in the license manual.

The regulations are available from ARRL in its license manual for \$.50 or from the Supt. of Documents, Gov't. Printing Office, Washington, D.C. as Federal Communications Commission Rules and Regulations. Vol. VI for \$1.25.

73

Max Galloway, K9OXA
ARRL Official Observer
* * * * *

KINDA ON THE SKINNY SIDE

Just as there is always some confusion when the boys in the White House change chairs, we here in IRC have run into the same problem, hence we are running late and a little short on the pages. As you have found out from time to time, there aren't enough hours in the day, which also contributed. However, we expect to be back in stride with the February issue, so don't go away.

Over the last two months there has been a rapid increase in the activity on the high end of the 6 meter band.

The Christmas and Mid-semester school break brought many familiar voices back on the band. Among these was K9OXL, Barney, who was heard so many times at so many different hours, that it is believed that he operated in his sleep, but then when you are away from the old home town attending school, it must be hard to shut-down the rig when there is even one station still to talk to.

* * * * *

K9RRJ-Ed Komic, who is an extension student, finds time between text books and those long hours of study to join in on many FB QSO's.

* * * * *

A pair of regulars at the high end, K9DWT and K9DXQ have temporarily departed to the low end and the mass of breakers in search of the promised winter DX.

* * * * *

A welcome is extended to Vern-K9GGF who has found that there are folks up around 53.764, and we hope that we will find him up there more often in the future.

* * * * *

Cross band activity between Gary, K9LNX and Lee, K9QDR is rounding out to a FB routine and it is presenting such interesting problems.

* * * * *

All of us up in the high end extend to everyone an open invitation to tune up on 53.764 using AM and give us a shout. Remember if you don't get a reply on the first shout, try us again as we do take time out to eat.

* * * * *

The top of 6 can be an experimenters paradise.

* * * * *

KEEP AN EAR OPEN

Anytime you are operating on the CW bands of 40 and or 80, take a look during the early evening or late afternoon for the gang out at the blind school. You should be able to pick up K9ZGD, Harriett Heiney; K9ZGA, Kay Houchin; K9ZFP, Steve Speicher or K9ZGR, Ray Warren. They will get a big kick out of working some of the IRC gang.

(Don't forget to get down to the legal power if you move into the Novice portion of the band as you will be liable for blowing W9PSE's antenna off the school roof.)

Winston-K9DWT has a new SSB outfit and can be heard on 10, 15 and 20 using his Pacemaker and SX111.

* * * * *

Rick-K9KSP got a Sixer and he and his Dad wired it, so the Pap could get some first hand info, as he is going to get a Novice ticket and join in on the fun.

* * * * *

You Cw men can find Laurie Simmerman-Kn9BBI working over the 15M band from Carmel.

* * * * *

Kirk-W9AVI received a new Tri-bander for his birthday and is making plans to become a first class DX-chaser.

* * * * *

Ed-K9CRS took a trip down to the warm sunny southland and just by accident of course he took along his KWM-2 so that he could work some of the boys back home. We understand the rig did every thing the ads say and a little more. (We don't envy the rig as much as we do that trip down south Ed.)

* * * * *

Ahoy all you Novices. Would you like to work some traffic on a local net? Look in on 3745 on Mondays, Wednesdays and Fridays at 7:00 PM where you will find a slow speed QIN CW net in operation. W9TT would enjoy having you join the group.

* * * * *

Earl-W9VVT has a new HX-500 and we understand that the love at first sight has changed to a adoration that would make Romeo and Juliet look like pikers.

* * * * *

Jim-K9OFK is back on 6 with a homebrew transmitter and the old faithful receiver.

* * * * *

We understand that those pesky Tenn. Valley Indians are running up and down a neat 60 foot tower here in Indpls. and can be heard whispering their ugly little remarks on the Channel 122 spot of surrounding receivers. (We are sure this has been corrected and we mention it only to remind everyone that these pests are not entirely dead.)

* * * * *

DOPEY DILDOK SAYS

As far as AM is concerned, just because we've done it wrong for years is no reason to change things to SSB now.

* * * * *

With the installation of officers just over, we recall the officers who were elected in 1941. Pres. was D.M. Davis, W9YYP; Vice Pres. was A.K. Dickmeyer, W9JPX; Sec'y. was P.W. Nelson, W9BHC; Treas was W. F. Leuth, W9DSC; Chief Op. Fred Manning, W9VPN; Directors were R. Caskey, W9DNQ and R. Anderson, W9GVW. You will note that history does repeat itself as Fritz is Chief Op. again this year.

It is stated in the January issue of Ama-Chewer 1941, that on Friday December 27th Mr. Trusler presented Pres. Davis with a gold Gavel from the members of the club in recognition of his services during the year 1940. Ama-Chewer further notes and we quote "Shouldn't we give each retiring President a token such as this".

Reading on we find that Bob Annis, Nelson Trusler and Glenn Montgomery were arranging an initiation for members taken into the club during the preceeding four months.

The front page shows us that Charley Campbell was printing the paper and Bob Caskey was digging up the news.

A Christmas party with OM's, YL's, XYL's and Harmonics was held and a 25 cent (That amount bought something in those days) gift exchange was held. The club was decorated by the Thursday night group. A record made at the above party was played at the Jan. 13th, 1961 meeting and the voices from the past kinda had a special meaning for a lot of those in attendance.

Bert Bucey, W9NVD, a blind ham was active in the club during this time and he brought many news items and reports into the meetings as a result of his monitoring.

Members to help in the code class were listed as Lonnie Webb, Bob Caskey, Ken Clark, Harold McGee, Howard McDonald, Arnold Dickmeyer, Nelson Trusler, Pete Jennings, Fred Manning and Don Davis. (Boy oh boy there aren't many of that group still attending club meetings and we note that Dickmeyer and Webb are deceased.)

Mr. Dosland, ARRL Director, addressed the club during a special meeting, and was assisted by Mr. Phelps also of ARRL.

January programs included a FB description of the route and handling that a QSL card gets as it passes through the post office, and we note that the programs ended with a plea to all hams to PSE QSL, PSE ADDRESS CORRECTLY.

"W9DNQ"



Here is an old horse who retired (!) December 31st (for a while.) Alvey, W9JJC got the bug back in 1920 when two neighbors, 9BFM and 9BJR had spark transmitters. He says he still remembers the thrill of sitting in their shack, spellbound by the roar and crack of the big rotary gap-and the wonder of "being able to talk clear across town without any wires." We wonder what he would have thought if somehow he could have looked ahead 40 years to see himself seated at his own rig--talking casually to explorers at the South Pole--running phone patches with service men in Greenland--the South Pacific and making acquaintances all over the world.

Alveys rig is (of course) SSB! (Remember when he had that IRC meeting at IPALCO Hall back in 1954 to push SSB.) He runs near a gallon to a 4-400A and 3 element Telerex Beam on 20 meters.

JJC is one of our oldest active club members and he has missed very few club meetings since he joined in 1940. He is our Trustee and has held an office almost every year. His biggest ambition is to see the IRC membership list look like the Marion County Directory. Lets help him do it!!

SOMETHING NEW UNDER THE SUN

Every time something new under the sun comes to our attention, it appears that it isn't long before a non-Professional comes up with something better or at least an improvement. With this in mind we feel that the latest find in the communications field deserves space here.

The first continuously operating optical maser, operating on less power than an ordinary light bulb, continuously generates a coherent beam of infrared light. This beam, several hundred thousand times narrower in frequency, or purer in color, than any other coherent light source, promises to be one of the most efficient information carriers ever conceived.

The term "maser" is an acronym for microwave amplification by stimulated emission of radiation. Basically a maser is a highly effective device for amplifying electromagnetic waves like light and radio waves. It achieves its effect through interaction between helium and neon atoms enclosed in a glass tube about 40 inches long. The helium atoms are excited to a highly energetic state by a continuous electrical discharge at radio frequencies. The excited helium atoms transfer their energy to the neon atoms by colliding with them. The neon atoms now "stimulated", radiate this energy as a highly coherent stream of infrared light.

The beam of light of this device is so concentrated that if it is aimed at a wall one mile away, it will show up as a spot of light only a foot in diameter.

We will be hearing more of this device as it becomes part of our day to day diet of electrical wonders. It is expected that this device will permit millions of telephone calls, TV programs, data messages, facimile, etc. to be transmitted at one and the same time from one network of the devices.

Imagine what fun you UHF boys can have when this little item reaches the point that it is available for use by us poor folk.

If some of the Engineers in our group can carry on with this item, we will be more than glad to provide space in coming issues.

* * * * *

COVER STORY

We wonder who in Indpls. or vicinity will be the first to duplicate the array shown on our cover this month. The real thing is in use in the Pacific Scatter Communication System stretching from Hawaii to Okinawa. It contains over 9500 ft. of jacketed cable, ranging in diameter from 1/2 " go 3 and 1/2 ", all of which are formed into one system of Heliarc welding.

HAM ADS

FOR SALE

Battery Charger, 6 volts at 5 to 10 amps. --\$7.50
W9ZRK-LI 6-9385

FOR SALE

Johnson Viking Adventurer Xmtr.

50 Hard Working Watts (perfect for the Novice)
Very Good Condition. ----- \$35.00

Dave Mills-Kn9SOP
CL 1-2319

WANTED

10A or 10B Central Electronic SSB Exciter
K9LZJ-CL 5-9650

CLEANING SHACK

Bring your basket to 335 E. National
Avenue---3800 South--2 blocks west of Rd #31.
75 ft. TelereX Tower---Complete with Anchors
and Guys---Make Offer!!

Frank Black-W9MNA
ST 7-1504

I. R. C. DIRECTORY

As of this date there have been 500 copies of the directory printed and it appears that we should have run the presses a bit longer. If you haven't purchased your copy as yet we suggest that you hop to the task real quick as there may not be a second printing.

Compliments have been coming in thick and fast, which prompts us to ask Pat Husk, K9EUQ to step up and take a bow. Pat was the needle that kept the ball rolling most of the time. When it did slow down Alvey Pittman, W9JJC was Johnny on the spot to get the gears meshed and the job, or or should we say ball, back in motion.

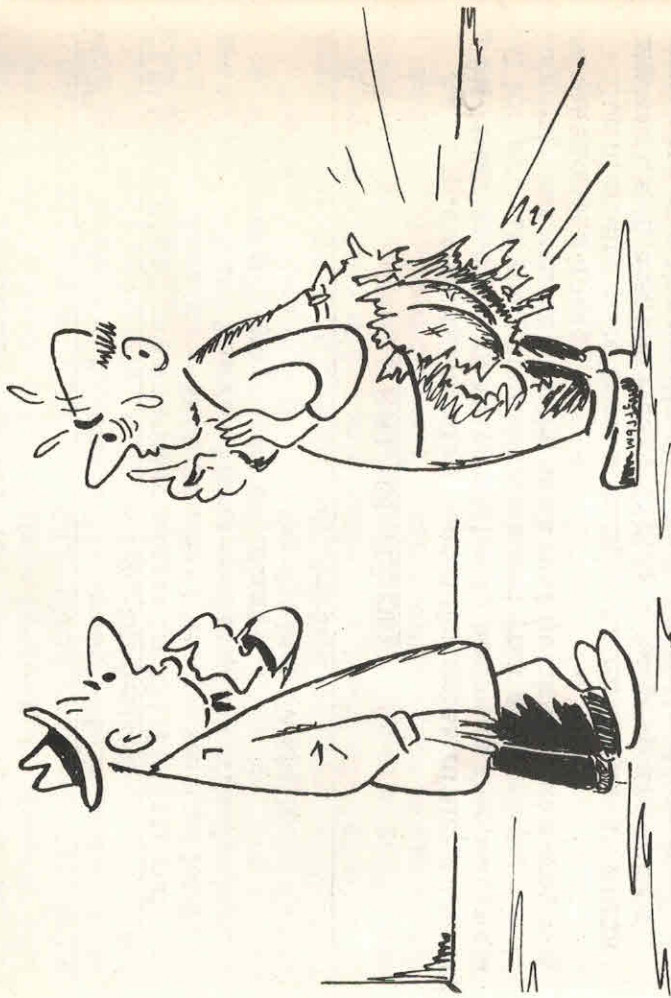
As you may have noted in the reading of the fly-pages of the Directory that there were a lot of people who spent more than a few minutes in doing the many jobs that make such a publication possible. To them we also say, step up and take a bow, as we need you folks. As the old man on TV says, "Them's my kind of people."

Let us remind you that copies are still available at VanSickle Radio Supply and Graham Electronics, so don't miss out as they are going fast.

* * * * *

LATE FLASH

The Program for the Regular Business Meeting on Feb. 24th will be "Radar & How You Get Caught". Presenting Gordon Nutty, W9CNX, State Police Technician; and G. C. Hopkins owner of Electro Fab. Equipment Company.



WELL WHAT'D THE FCC DO
ABOUT YOUR HARMONIC?

**WALMANS
SYSTEMS**

AIR AND HYDRAULIC
COMPONENTS
SPECIALIZED ENGINEERING-
SERVICE FOR YOUR
APPLICATIONS



TIMERS
AND CONTROLS
FOR AUTOMATION

**INDUSTRIAL
AIR EQUIPMENT CO.**
2047 EAST 46TH
CL 1 9406

ASK FOR BOB W9PSE

**Expert
BODY
WORK**

33 YEARS
EXPERIENCE
ON ALL TYPES OF
BODY REPAIR

FREE ESTIMATES

MANNING & SON
4718 BERTHA
CH 4 4344

SEE FRITZ W9VPH

Wallman's Pharmacy

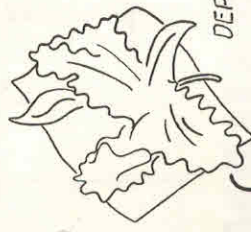
RELIABLE
PRESCRIPTION SERVICE

DISCOUNT %
ALL FILMS & CAMERAS

TV & RADIO TUBES
CHECKED FREE
ON OUR PROFESSIONAL TUBE CHECKER

3357 WEST 16TH AT TIBBS
ME 1 8844
WALL W9NEU

Fine Flowers
FOR EVERY
OCCASION



CITY WIDE
DELIVERY

COMPLETELY
DEPENDABLE SERVICE

**SCHWOMEYER
FLORIST**

1844 SHELBY
ST 6 9253

ROY W9YMV